

**MSDS - Material Safety Data Sheet****Product Name: Heavy Volcano Latent Print Powder, Heavy Black- 16 Oz.****MSDS No.: BPP6916****I. Basic Information:****Manufacturer:** Sirchie Finger Print Laboratories**Address:** 100 Hunter Place**City, ST Zip:** Youngsville, NC 27596**Emergency Contact:** ChemTrec**Emergency Telephone Number:** 800-424-9300**Contact:** Tech Support**Information Telephone Number:** 919-554-2244**Last Update:** 06/21/2010**Expiration Date:****Chemical State:**  Liquid  Gas  Solid**Chemical Type:**  Pure  Mixture

2	Health
2	Flammability
1	Reactivity
F	Pers. Protection

**II. Ingredients:** Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z	313				
1317619	Black iron oxide	66.5							15 mg/m3	10 mg/m3	140 F
0	Lycopodium	33.5							NE	NE	

**III. Hazardous Identification:****Hazard Category:**
 Acute
  Chronic
  Fire
  Pressure
  Reactive
**Hazardous Identification Information:**

May be dangerous if ingested. Respiratory tract irritant. Skin irritant. Severe eye irritant. May cause siderosis.

**IV. First Aid Measures:****Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

**Health Hazards (Acute and Chronic):**

Chronic: Siderosis

**Signs and Symptoms:**

Eyes: Inflammation, redness, watering, itching

**Medical Conditions Generally Aggravated by Exposure:**

Skin, eye, respiratory

**Emergency and First Aid Procedures:**

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**Inhalation:** Remove to fresh air. If breathing becomes difficult, give oxygen (To be administered by qualified medical personnel only!) If breathing stops, perform artificial respiration. Seek medical attention.

**Ingestion:** If victim is conscious and alert, give large quantities of water. (Never give anything by mouth to an unconscious person!) Induce vomiting. Lower the head so that the vomit will not re-enter the mouth and throat. Seek medical attention.

**Skin:** Wash with soap and water. If irritation occurs, seek medical attention.

**Eyes:** Rinse with plenty of water for 15 minutes. Seek medical attention. DO NOT use an eye ointment.

**Convulsions:** Do not restrain the victim, but do remove objects with which they might injure themselves; or, orient the victim to prevent them from striking fixed heavy objects. If the convulsions cease, turn the victim on their side or face down, so that any fluid in the mouth can drain.

**Other Health Warnings:**

**V. Fire Fighting Measures:**

**Flash Point:** 140 F

**Lower Explosive Limit:** NE

**Upper Explosive Limit:** NE

**F.P. Method:**

**Fire Extinguishing Media:** Dry chemical, carbon dioxide, water spray or fog, foam

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing. Cool containers with water jet in order to prevent pressure build-up, autoignition, or explosion.

**Unusual Fire and Explosion:**

Storage at temperatures above 140 F may cause the black iron oxide to oxidize, generating heat which could cause surrounding combustibles to burn.

**VI. Accidental Release Measures:**

**Steps to be Taken in Case Material is Released or Spilled:**

Wear dust respirator, safety goggles, and rubber gloves. Sweep up and place in bag or vacuum up with proper filter equipped instrument. Avoid creating dust. Ventilate and wash spill site after collecting solid. Dispose according to local, state, and federal regulations.

**VII. Handling and Storage:**

**Precautions to be Taken:**

Keep in tightly closed container. Keep cool and dry. Do not store above 140 F. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Ground all equipment containing material. Use only in well-ventilated areas. Avoid dust generation and accumulation. Avoid ingestion and inhalation of dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

**Other Precautions:**

**VIII. Exposure Controls/Personal Protection:**

**Ventilation Requirements:**

Use only in well-ventilated areas.

**Personal Protective Equipment:**

Safety goggles, rubber or leather gloves, dust respirator, protective clothing

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## IX. Physical and Chemical Properties:

Boiling Point: NE

Melting Point: NE

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): NE

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): NE

Solubility In Water: Insoluble

Appearance and Odor: Odorless black powder

Other Information:

## X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Strong oxidizing agents, ignition sources (heat, open flame, spark), combustibles

Decomposition/By Products:

Hazardous Polymerization:

Will not occur.

## XI. Toxicological Information:

Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On x-rays, it appears to be a benign pneumoconiosis, and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica. The TLV is set to protect against siderosis.

## XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

## XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

## XIV. Transport Information:

Keep in tightly closed container. Keep cool and dry. Do not transport above 140 F. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Ground all equipment containing material. Avoid dust generation and accumulation. Avoid ingestion and inhalation of dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

## XV. Regulatory Information:

Lycopodium is hazardous by definition of OSHA Hazard Communication Standard (29 CFR 1910.1200).

## XVI. Other Information:

Using this product under normal, properly instructed procedures should not be hazardous.

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